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(54) Title: BINDING ASSAY USING BINDING AGENTS WITH TAIL GROUPS

(57) Abstract

The present invention discloses methods and kits for the determination of the concentration of one or more analytes in a liquid sample using capture agents immobilised on a solid support and binding agents for binding the analyte(s), the binding agents having tail groups capable of binding to the respective capture agent. Preferably, the capture agents and binding agents are complementary oligonucleotides, and the capture agents are immobilised in the form of microspots. The use of the tail groups and capture agents can allow the binding of the analyte(s) to the binding agent(s) to take place in solution, rather than at a surface, improving the kinetics associated with this process. In addition, the user of the assay can customise any suitable binding agents for use with a universal support, by attaching tail groups to them.

